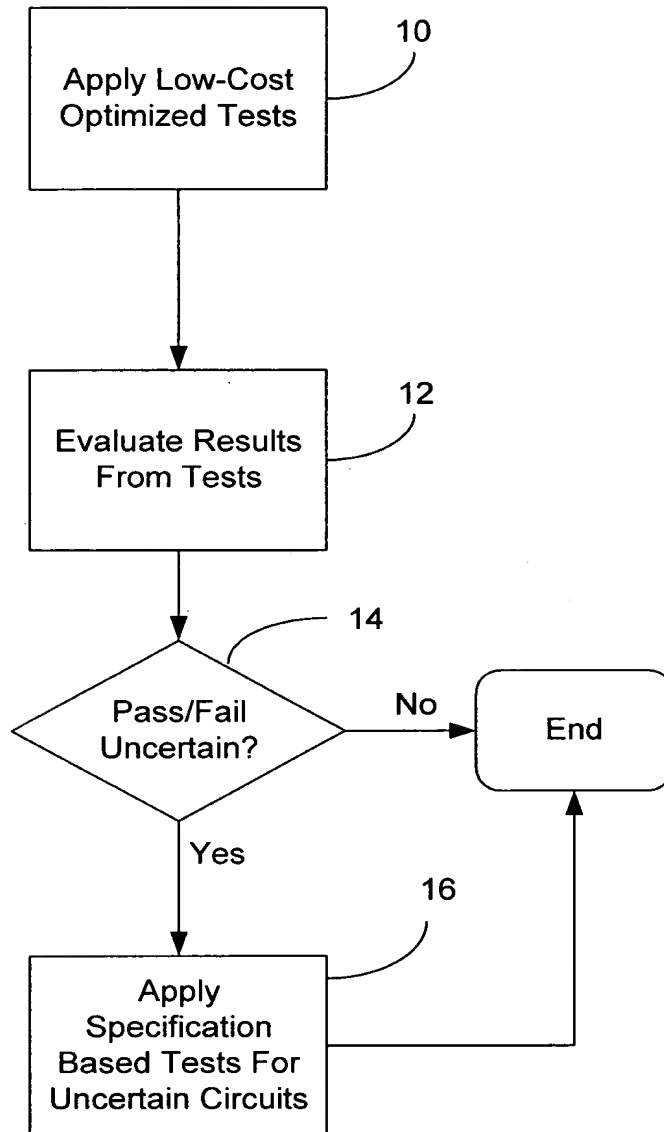




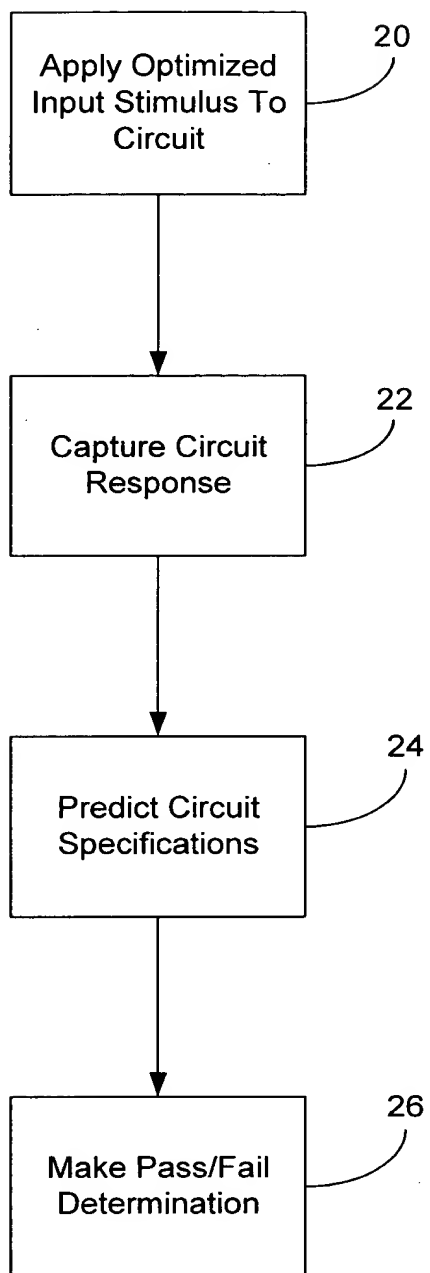
# Replacement Sheet



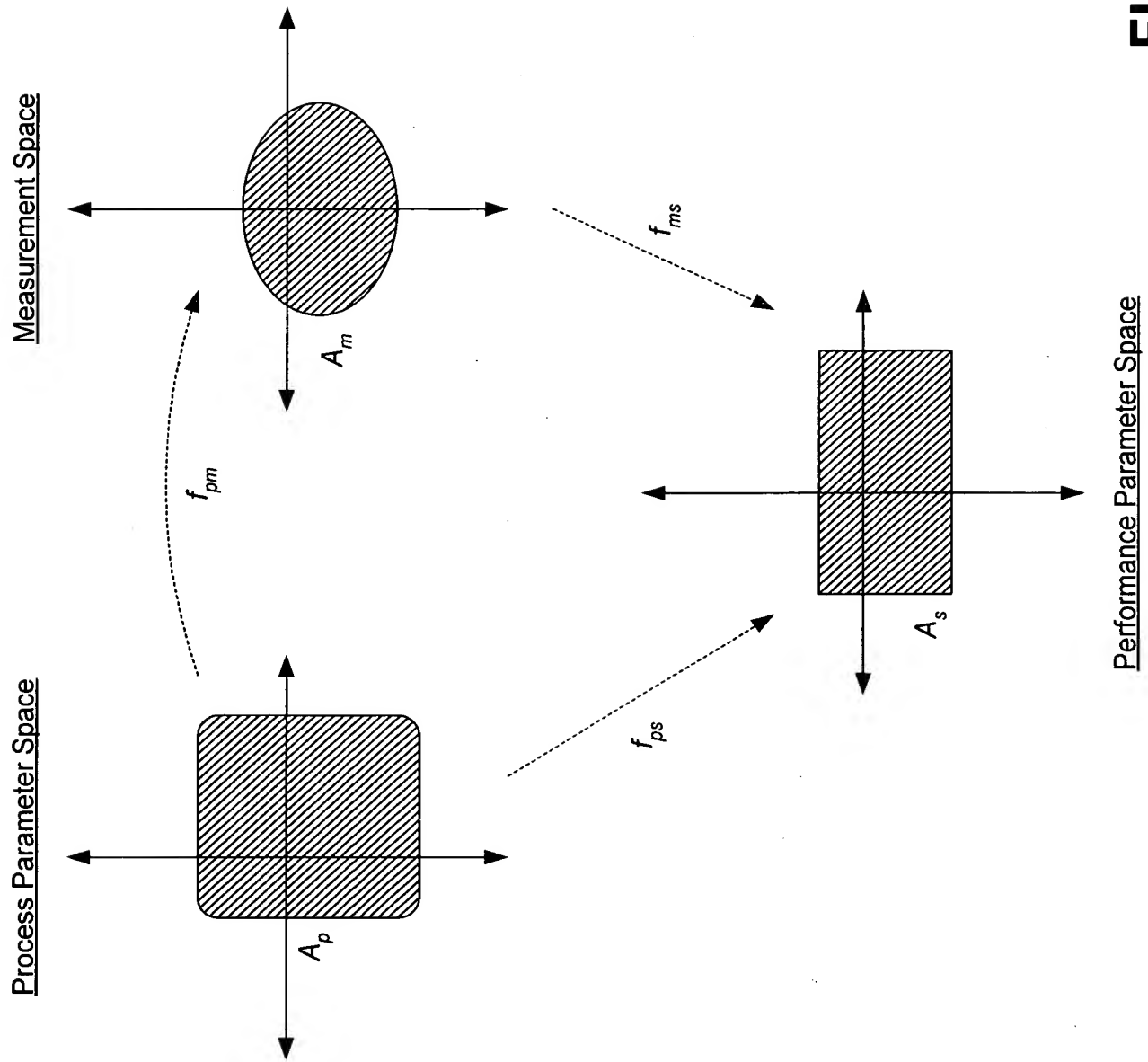
**FIG. 1**



## Replacement Sheet



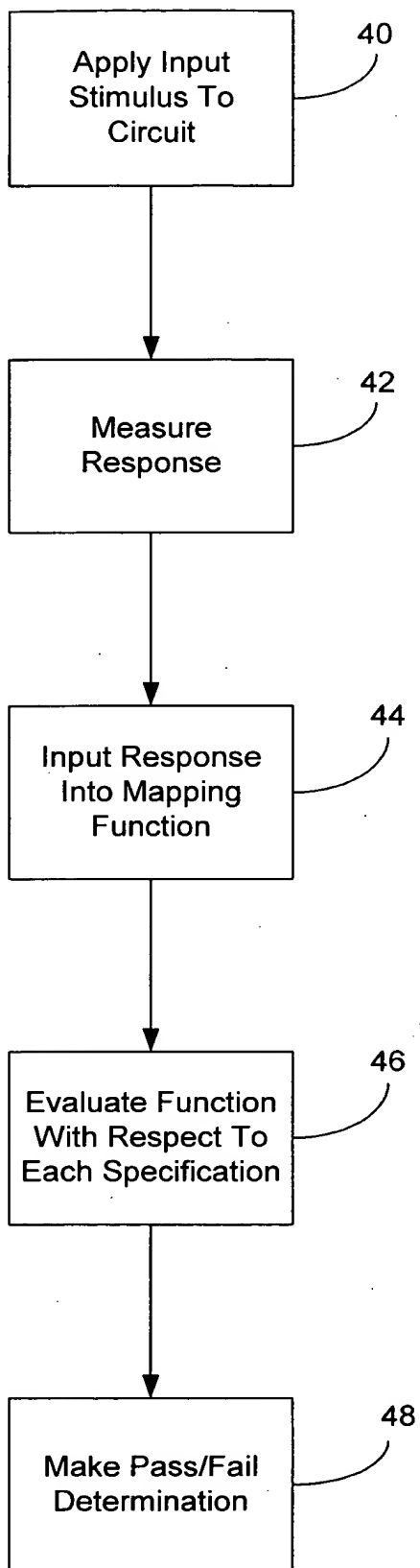
**FIG. 2**



**FIG. 3**



# Replacement Sheet



**FIG. 4**

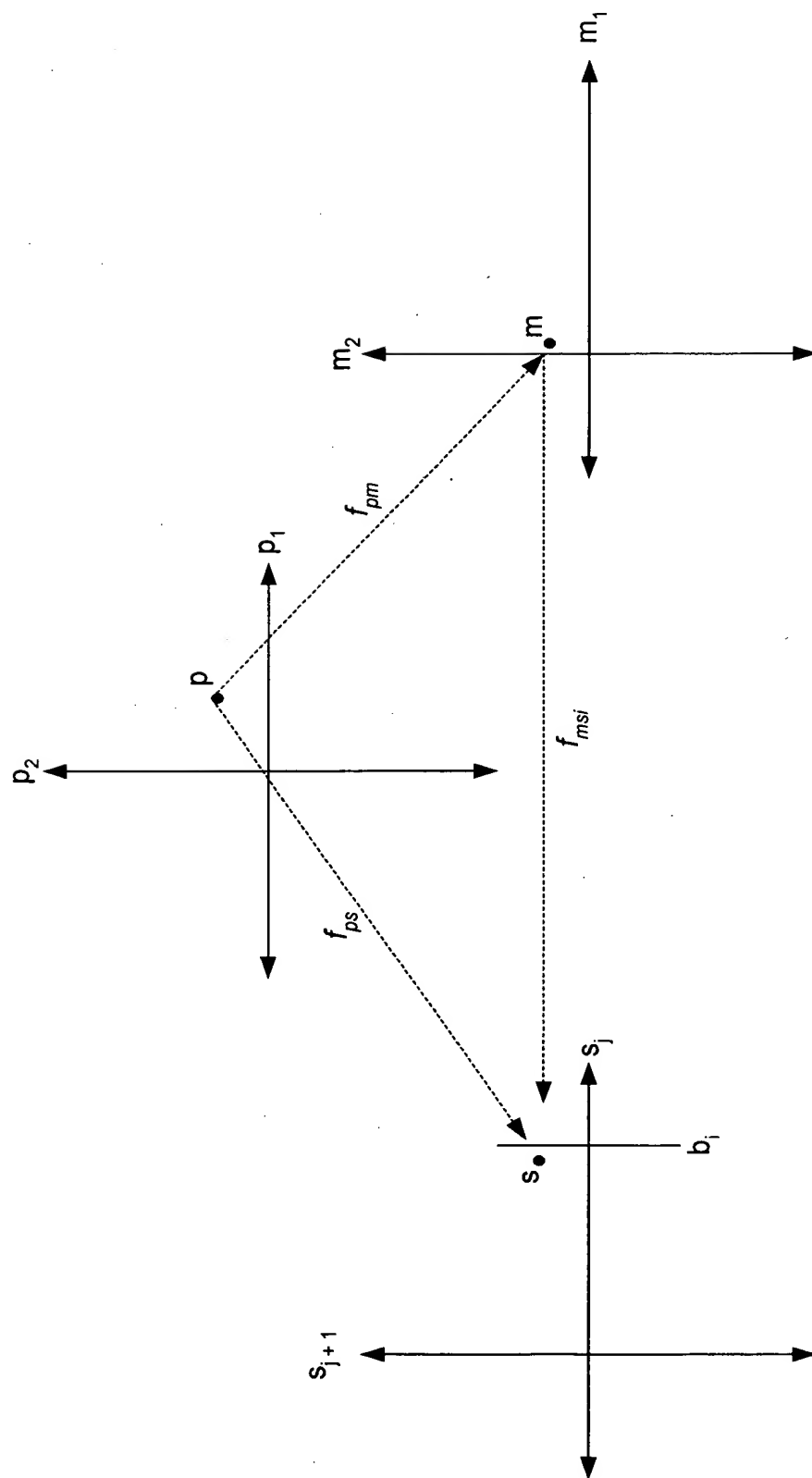


FIG. 5

# Replacement Sheet

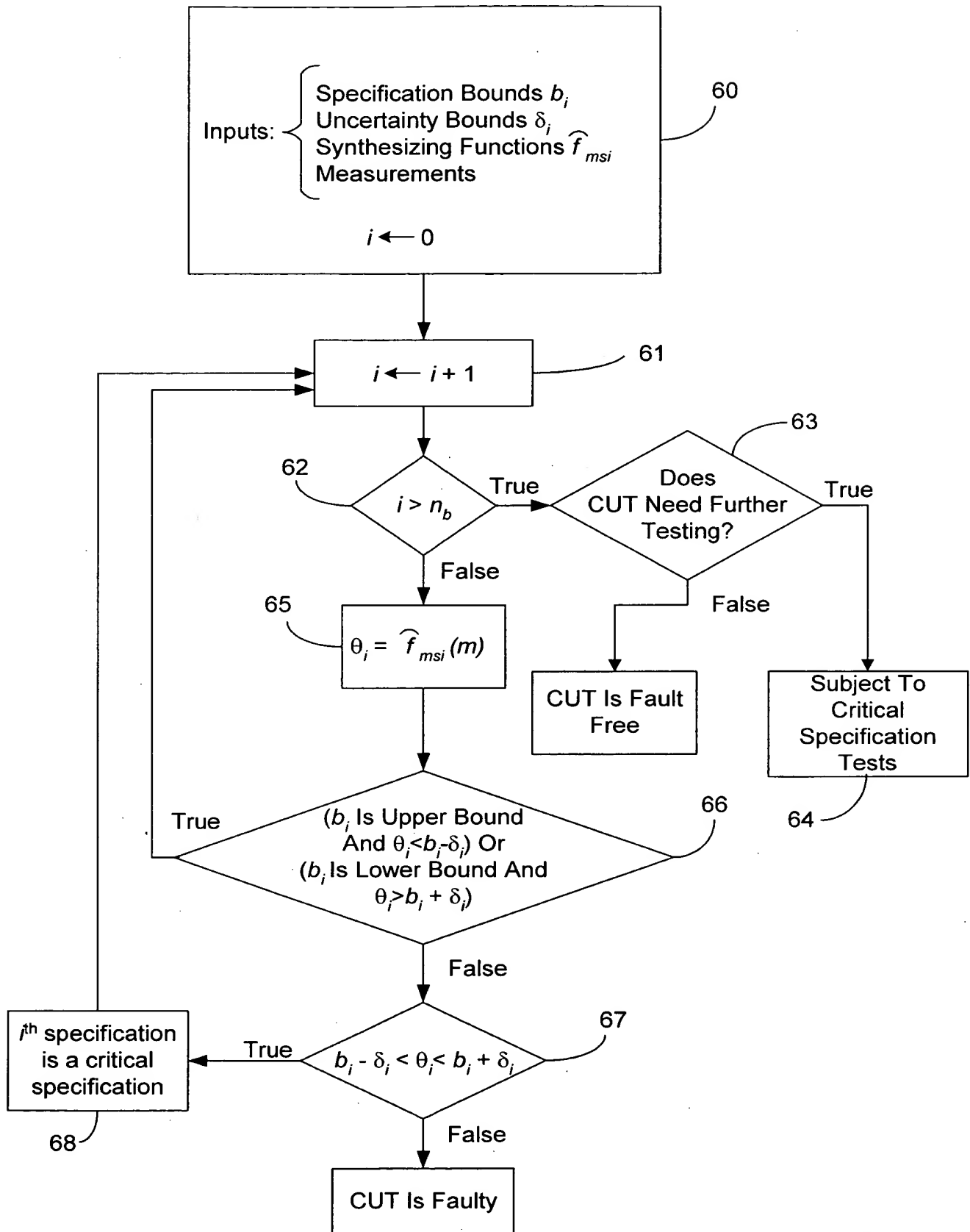


FIG. 6

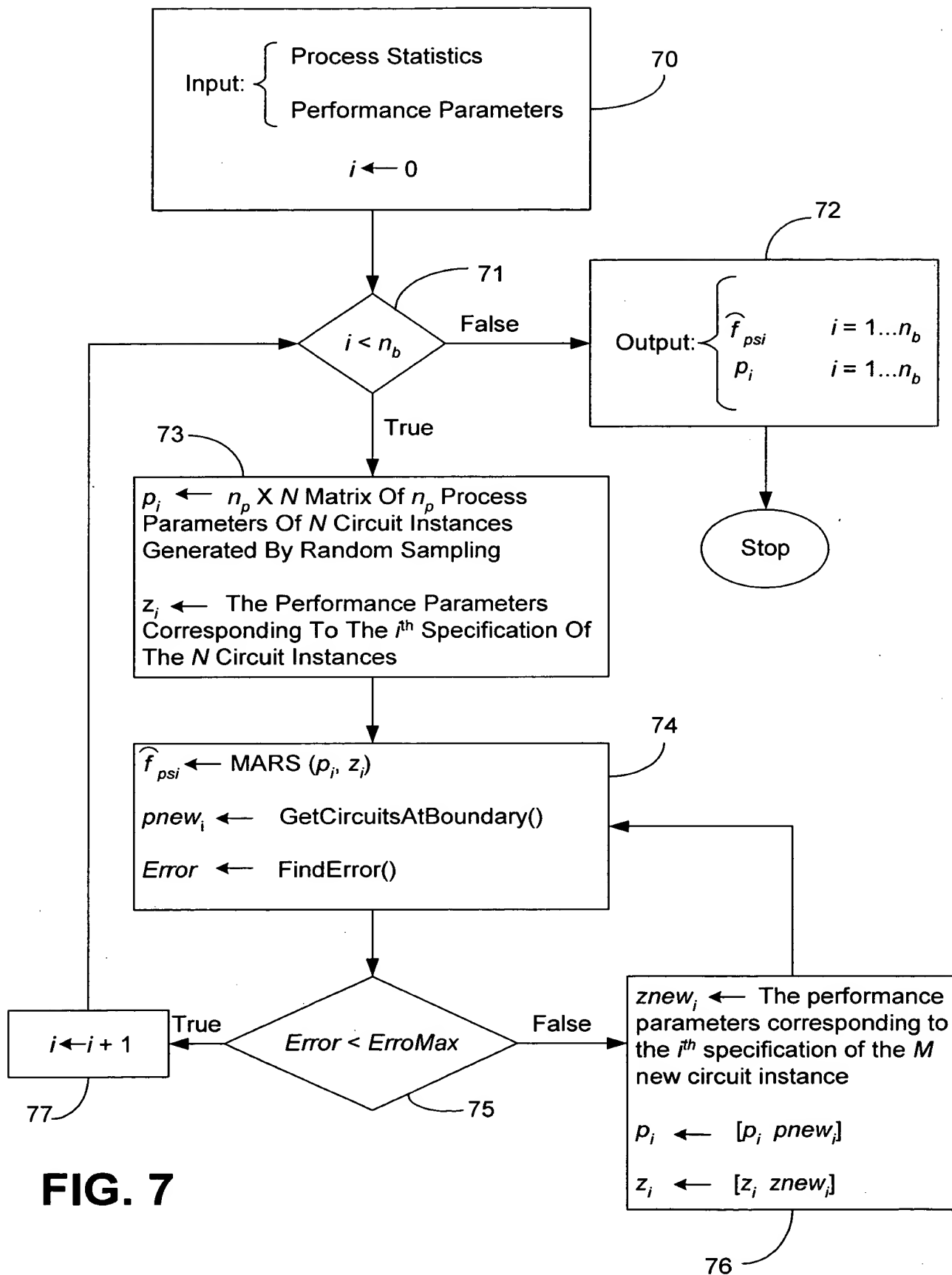


FIG. 7



Procedure OrderMeasurements

- 01 for each  $j^{th}$  single ended specification
- 02 for each measurement
- 03 remove the measurement from the list of independent variables
- 04 derive the synthesizing function using MARS. Use the training set generated by GenerateTrainSet to train MARS
- 05 calculate the variance  $\sigma^2_{ei}$
- 06 end for
- 07 order the measurement in the ascending order of  $\sigma^2_{ei}$
- 08 end for

Procedure SelectMeasurements

- 01 for each single ended specification
- 02 selected measurements =  $\varnothing$
- 03 repeat
- 04 add the measurement with lowest  $\sigma^2_{ei}$  to the set of selected measurements  
use the ordered list of measurements generated by OrderMeasurements
- 05 derive the synthesizing function with the selected set of measurements
- 06 calculate the variance  $\sigma^2_{ei}$
- 07 until  $\sigma^2_{ei}$  starts increasing
- 08 end for

**FIG. 8**



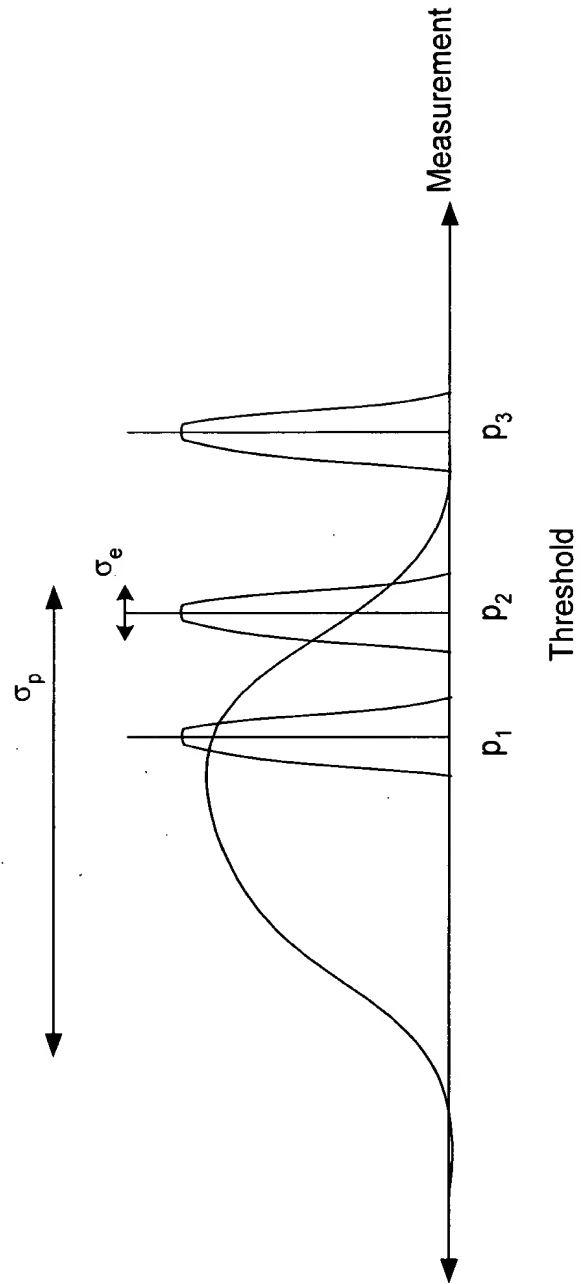
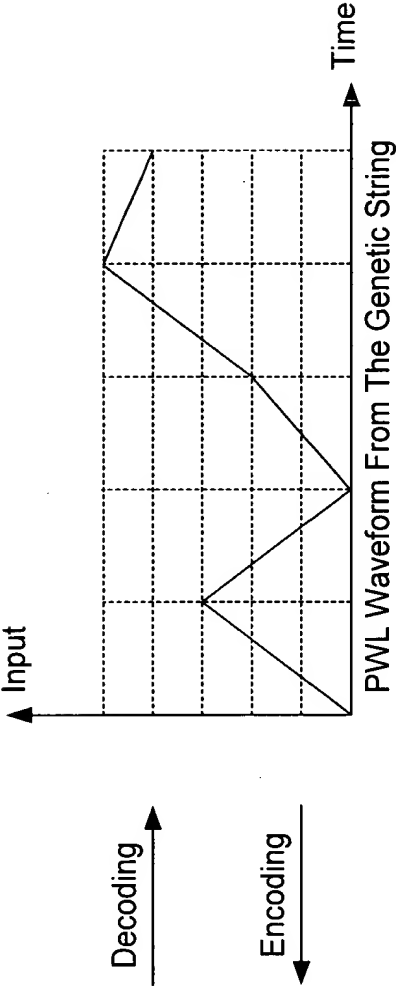


FIG. 9



Decoding  
Encoding

3	0	2	5	4
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String Of Length 5

FIG. 10

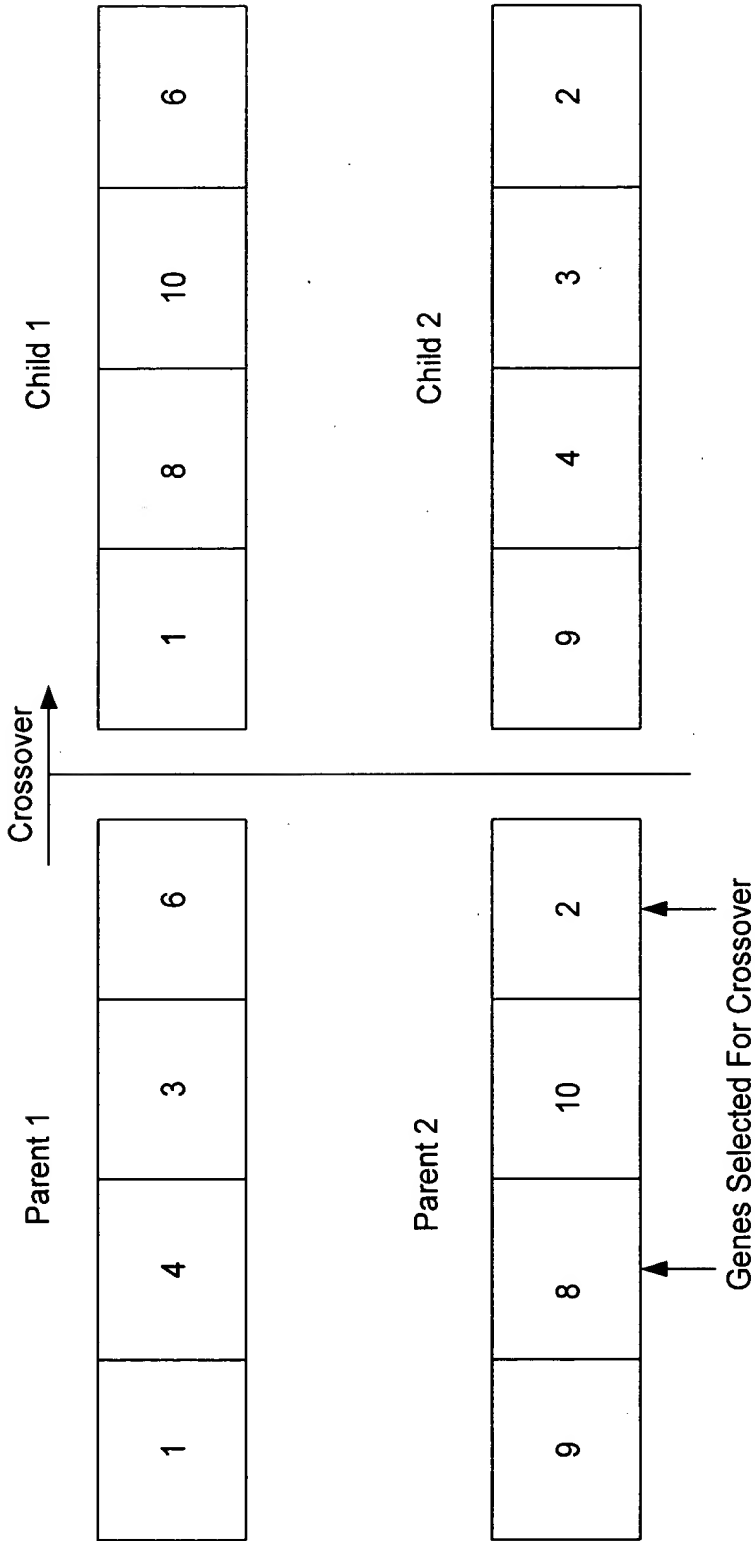


FIG. 11